



Does Smart Growth Matter?

Drawing the Link Between Smart
Growth and Climate Change

Mike Li, Governor's Office of Smart Growth, State of Maryland



Smart Growth Is:

- Mixed Land Uses
- Taking Advantage of Compact Building Design
- Creating a Range of Housing Choices
- Creating Walkable Neighborhoods
- Fostering Communities with a Strong Sense of Place
- Preserving Open Space, Farmland, Natural Beauty and Critical Environmental Areas

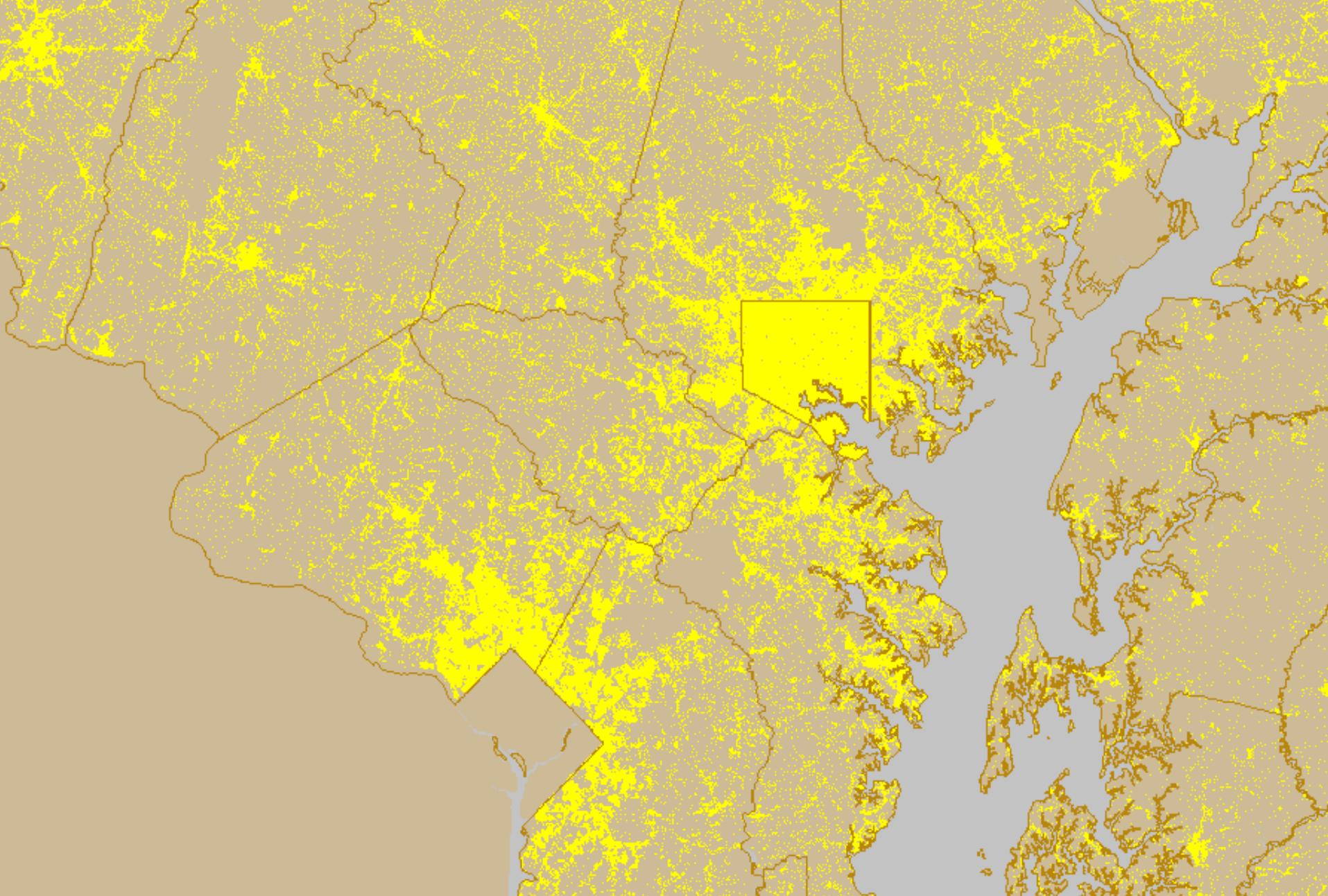
Smart Growth Is:



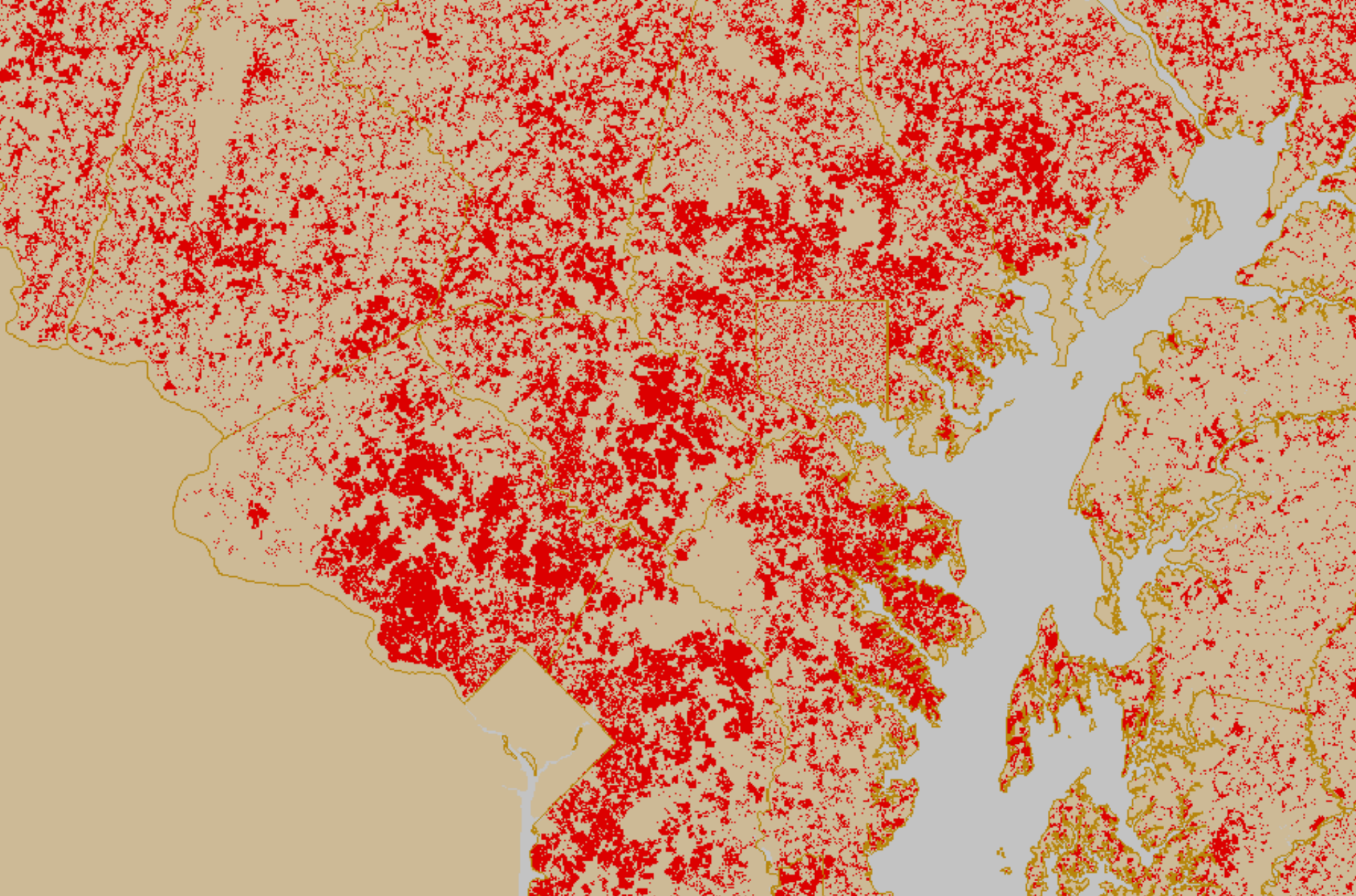
- Directing Development Towards Existing Communities
- Providing Transportation Choices
- Making Development Decisions Predictable, Fair, and Cost Effective
- Encouraging Stakeholder Collaboration in Development Decisions

A Snapshot of Maryland's Smart Growth Programs and Policies

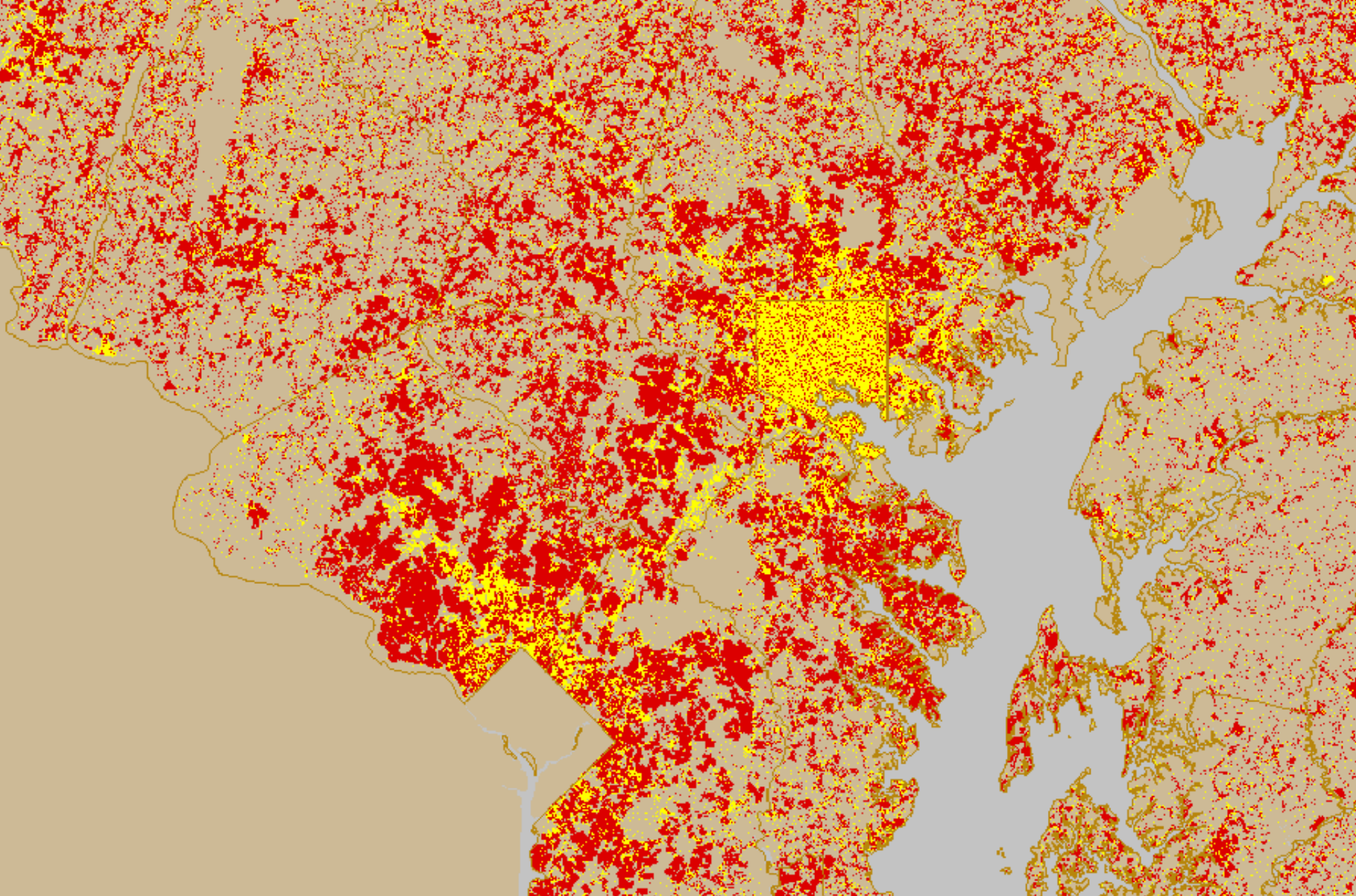
- Business development loans and grants
- Tax credits for job creation within PFAs
- Live Near Your Work incentives
- Historic preservation tax credits
- Park improvement assistance
- Brownfield cleanup and redevelopment
- School construction in older communities
- Smart Codes – rehab, infill, mixed use



New Construction, 1900-1960

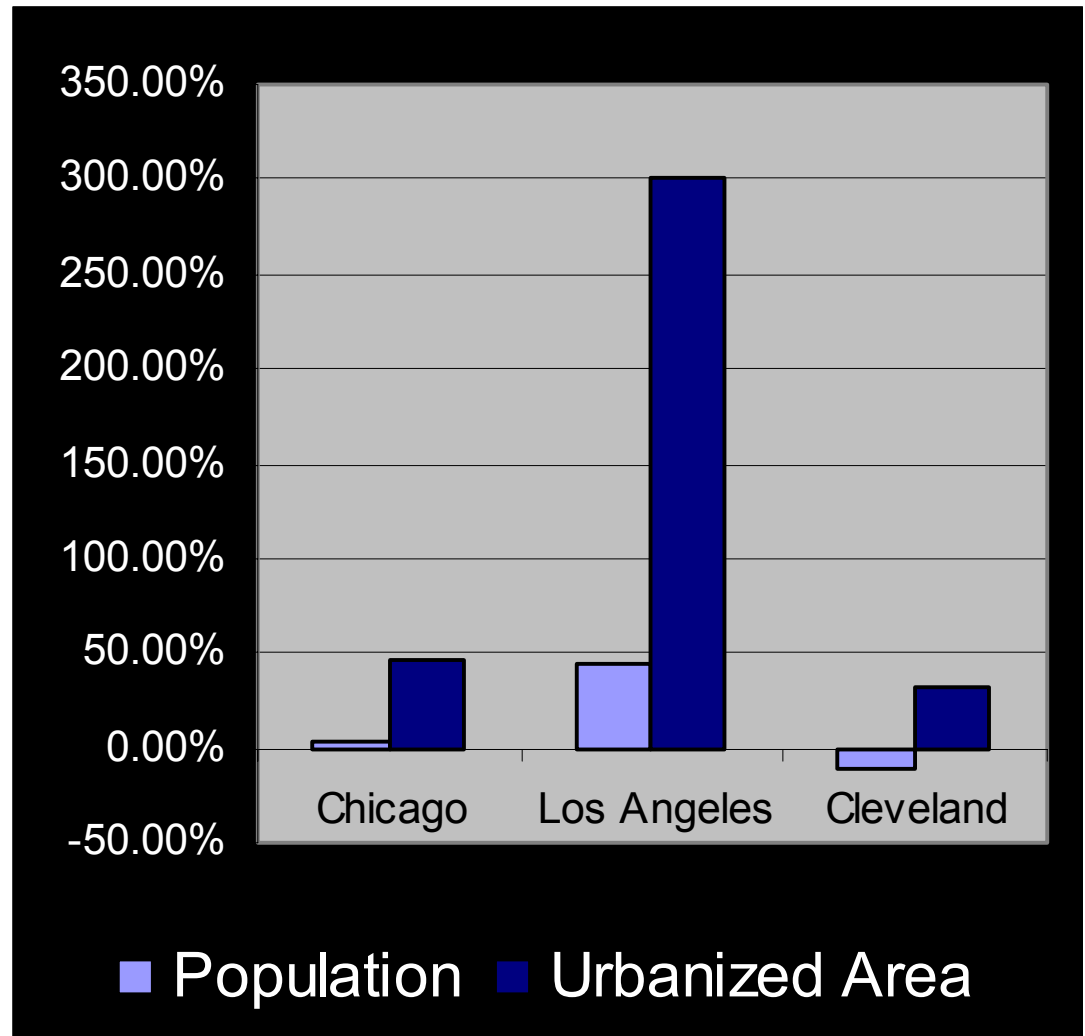


Development Patterns:
1961 - 1997

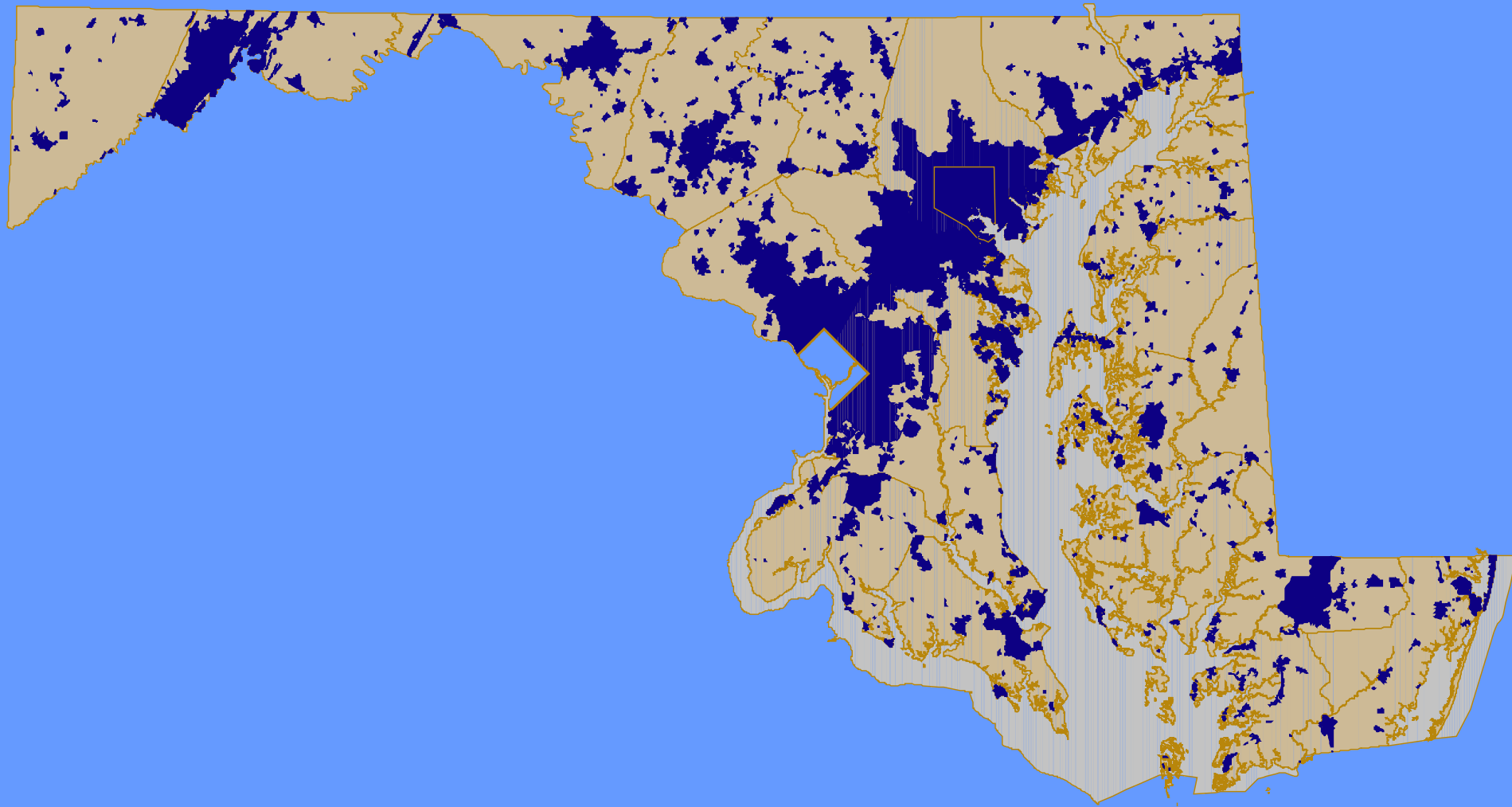


1900-1997

How are We Growing?



Priority Funding Areas (PFA)



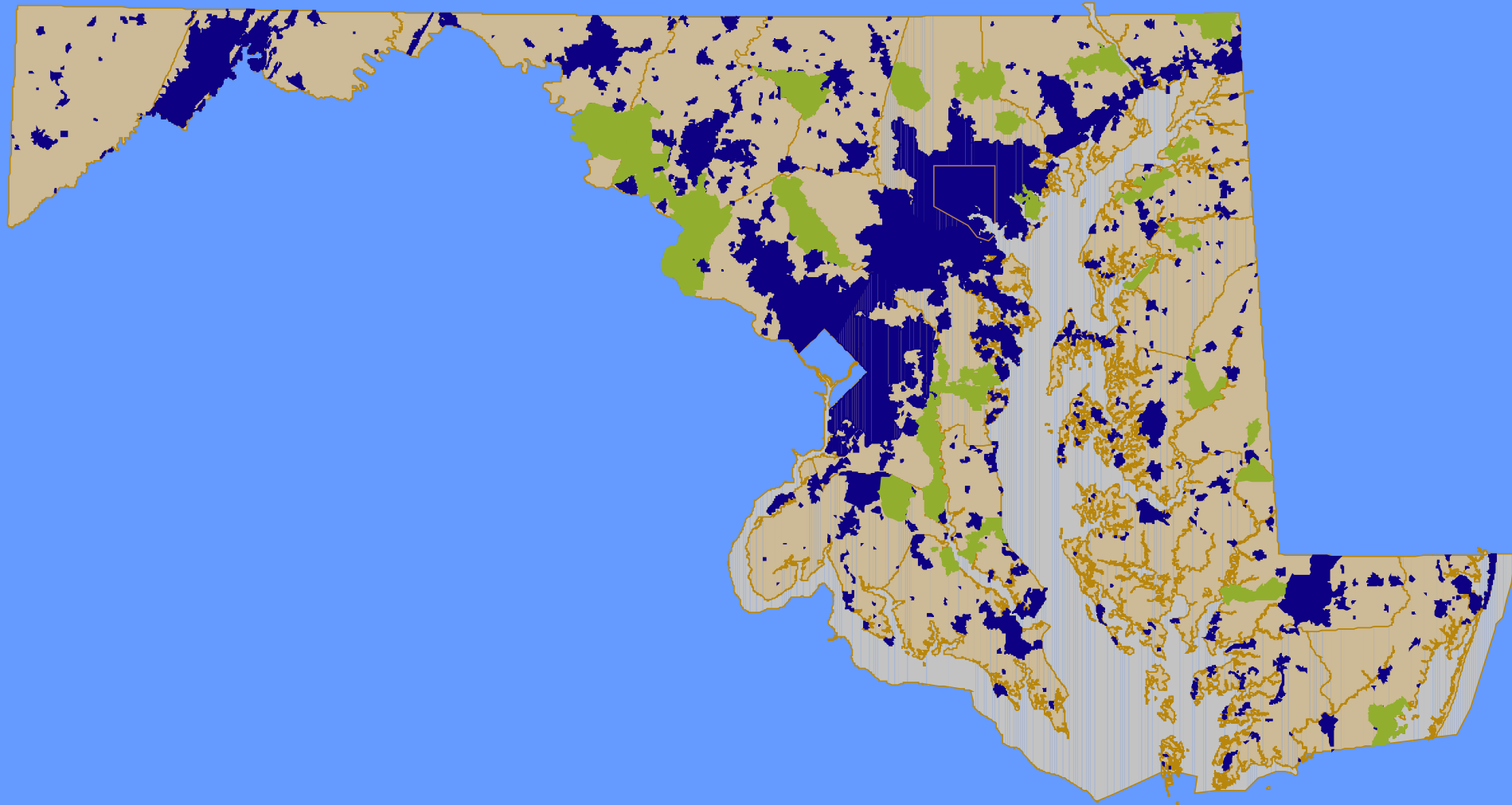




Increased Carbon Sequestration

- 23 Rural Legacy Areas designated
- \$137 million in RL & POS funds
- 20 Counties, 21 Land Trusts
- 54,000 acres to be protected
- 200,000 acre protection goal in 15 years
- Requests annually exceed resources 3:1

PFA and Rural Legacy Areas

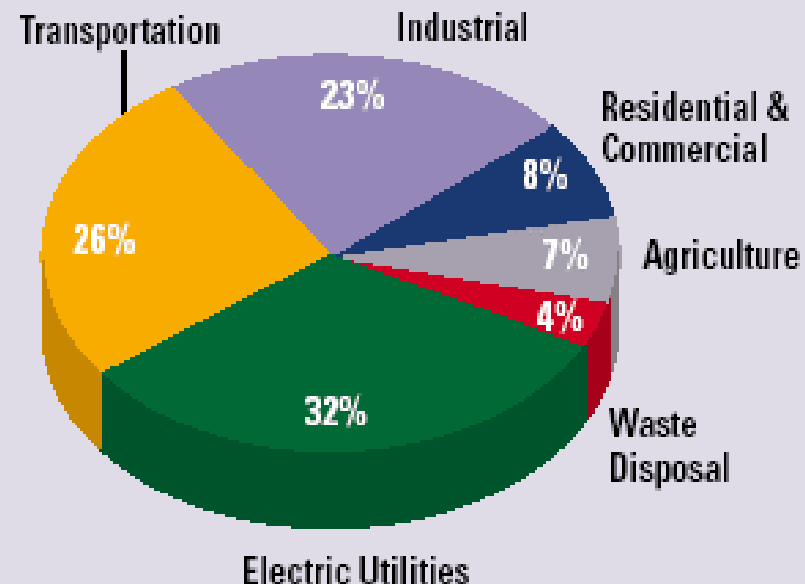


Greenhouse Gas Emissions

- Electric Utilities – 32%
- Transportation – 26%
- Industrial – 23%
- Agriculture – 7%

Sources of Total U.S. GHG Emissions

in CO₂E¹ by Sector, 1998



What Can Smart Growth Offer?

- Reduced transportation related emissions.
- Reduced power plant emissions through efficient use of electricity.



Smart Growth Part II

- Smart growth is not just about where we build, but it is also how about **how** we build.
- We want buildings to:
 - Be mixed-use,
 - Have walk-able streets
 - Be transit accessible
 - Be energy efficient and environmentally responsible

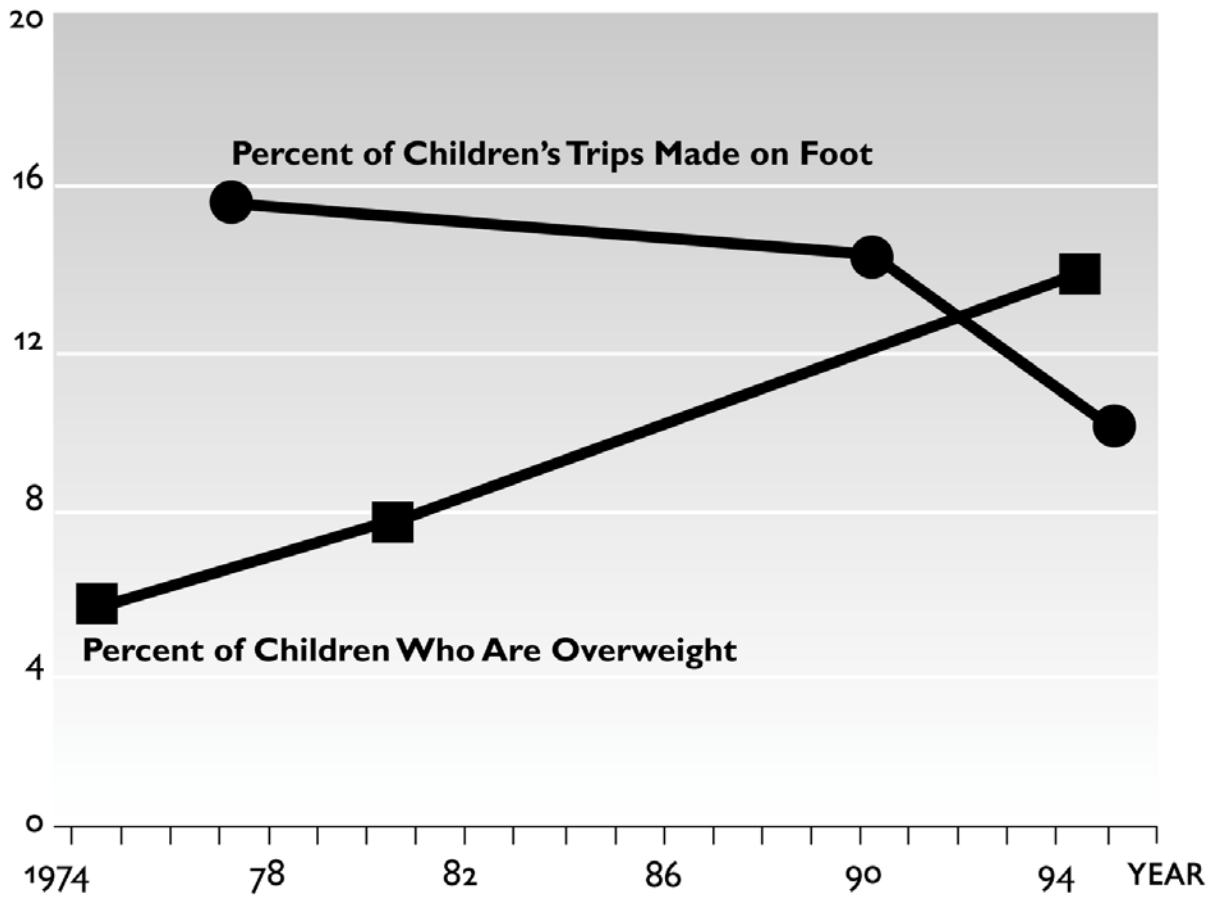
Reductions in Transportation Related Emissions

- Atlantic Station – Atlanta, GA



http://www.epa.gov/smartgrowth/topics/atlantic_steel.htm

PERCENT



Lessons from China



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Bike Utility, Not Sport Utility



Who needs 18 Wheelers?



Reductions in Power Plant Emissions

In 1997 Buildings:

- Used 16% of the energy in the U.S.
- Spent \$100 billion for energy.
- 65% percent were built before 1979.

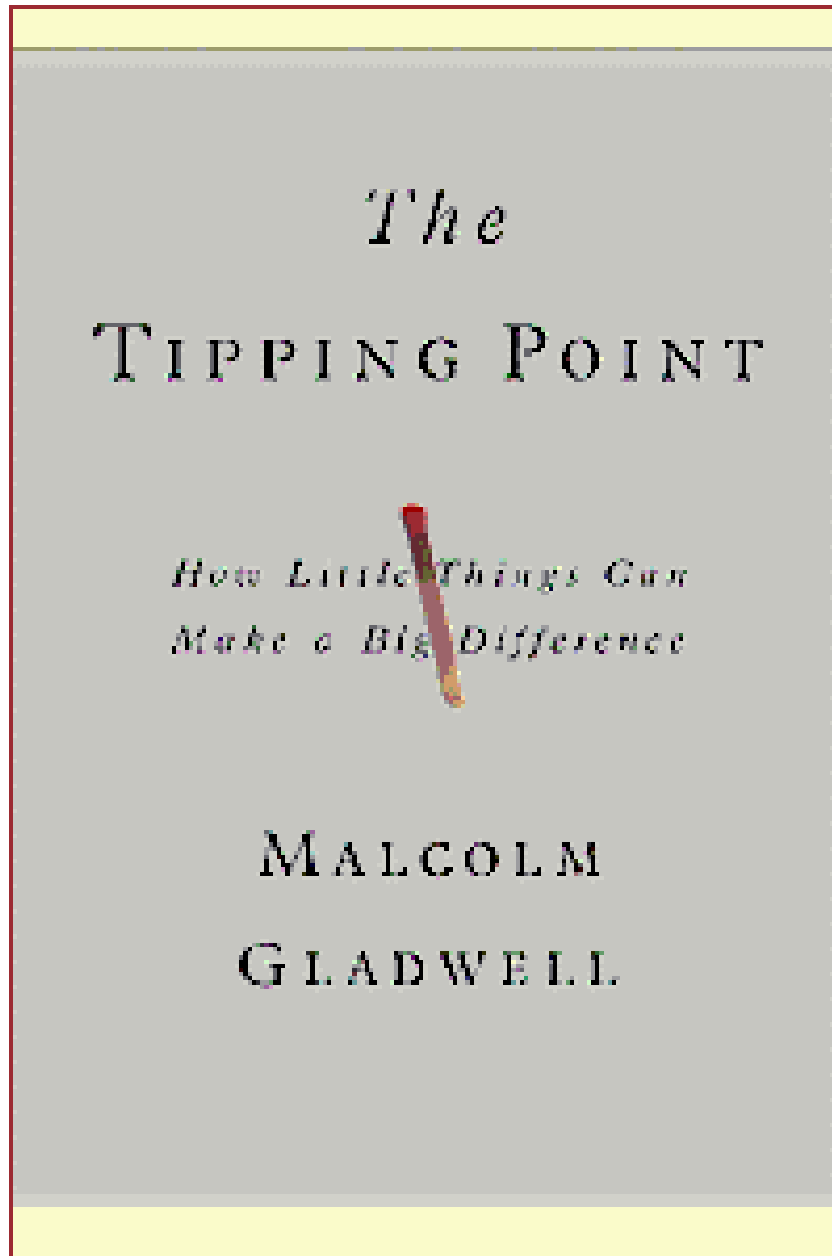


Green Building Tax Credit

- Gives owners a 6-8% tax credit on personal or corporate income tax.
- Uses the U.S. Green Building Council's LEED Rating System as the standard.

For more info: www.energy.state.md.us

How Little
Things Can
Make a Big
Difference





Then one day, the twain met.

TOLES

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LITERALLY IN THE
MIDDLE OF NOWHERE